

REQUEST FOR MICHIGAN STATE TRANSPORTATION
COMMISSION APPROVAL

CONTRACTS

November 24, 2021

The following contracts are being submitted for your information. The appropriate documents will be approved by the Attorney General and comply with all legal and fiscal requirements prior to award.

CONTRACTS

1. HIGHWAYS - Participation for Local Agency Construction Contract
Contract (2021-5391) between MDOT and the City of St. Clair will provide for funding participation in the construction of the following improvements utilizing State Transportation Economic Development (TED) Category A Funds:

Hot mix asphalt milling and resurfacing, base and joint repairs, aggregate shoulder widening, intersection improvements, and all necessary related work along Carney Drive from Range Road to Fred Moore Highway.

Estimated Funds:

State Restricted TED Funds	\$ 861,797.60
City of St. Clair Funds	<u>\$ 215,449.40</u>
Total Funds	<u>\$1,077,247.00</u>

EDA 77000 – 212874CON
Local Letting

2. HIGHWAYS - Participation for State Local Agency Bridge Construction Contract
Contract (2021-5398) between MDOT and the Chippewa County Road Commission will provide for funding participation in the construction of the following improvements under Section 144 of Title 23 USC and the State Local Bridge Program:

The rehabilitation of structure 1638, which carries Gogomain Road over the Munuscong River, and of structure 1639, which carries Gogomain Road over the east Branch of the Munuscong River, in Chippewa County.

Estimated Funds:

State Local Bridge Funds	\$352,069.05
Chippewa County Road Commission Funds	<u>\$ 18,529.95</u>
Total Funds	<u>\$370,599.00</u>

MCS 17000 – 207729CON
Local Construction

3. HIGHWAYS - Participation for Local Agency Construction Contract
Contract (2021-5415) between MDOT and the Washtenaw County Water Resources Commissioner will provide for funding participation in the construction of the following improvements:

Drain maintenance and drain improvements work, including culvert replacement, roadway improvement, and drainage improvement work along Highway M-52 at the Mill Lake Drain located between Hickory Drive and Werkner Road.

Estimated Funds:

State Restricted Trunkline Funds	<u>\$835,500</u>
Total Funds	<u>\$835,500</u>

M 33014-213872CON; Washtenaw County
Local Letting

4. HIGHWAYS - Participation for Local Agency Preliminary Engineering
Contract (2021-5429) between MDOT and the Monroe County Road Commission will provide for funding participation in the following improvements:

Preliminary engineering activities for the reconstruction of the roadway along East Newburg Road at the Grand Trunk Western Railroad crossing (USDOT NI# 258189C) in Ash Township, Monroe County; and all necessary related work.

Estimated Funds:

Federal Highway Administration Funds	\$36,000
State Rail Grade Crossing Funds	<u>\$ 4,000</u>
Total Funds	<u>\$40,000</u>

STRH 58000 – 212218PE
Preliminary Engineering

5. HIGHWAYS - Participation for Local Agency Preliminary Engineering
Contract (2021-5430) between MDOT and the Monroe County Road Commission will provide for funding participation in the following improvements:

Preliminary engineering activities for the reconstruction of the roadway along Hickory Road at the Norfolk Southern Railroad crossing (USDOT NI# 477370X) in Milan Township, Monroe County, and all necessary related work..

Estimated Funds:

Federal Highway Administration Funds	\$27,000
State Rail Grade Crossing Funds	<u>\$ 3,000</u>
Total Funds	<u>\$30,000</u>

STRH 58000 – 212324PE
Preliminary Engineering

6. HIGHWAYS - Participation for Local Agency Construction Contract
Contract (2021-5435) between MDOT and the City of Sault Ste. Marie will provide for funding participation in the construction of the following improvements utilizing State Transportation Economic Development (TED) Category F Funds:

Hot mix asphalt cold milling, base crushing, shaping and resurfacing along Three Mile Road from Mackinaw Trail (I-75 business spur) to M-129, including guardrail replacement and slope restoration work, and all necessary related work.

Estimated Funds:

State Restricted TED Funds	\$375,000
City of Sault Ste. Marie Funds	<u>\$120,000</u>
Total Funds	<u>\$495,000</u>

EDF 17000 – 212226CON
Local Letting

7. HIGHWAYS - Participation for Local Agency Construction Contract
Contract (2021-5438) between MDOT and the City of Big Rapids will provide for funding participation in the construction of the following improvements utilizing State Transportation Economic Development (TED) Category F Funds:

Hot mix asphalt cold milling and resurfacing along Maple Street from South Third Avenue to Bronson Avenue; and all necessary related work.

Estimated Funds:

State Restricted TED Funds	\$171,212
City of Big Rapids	<u>\$ 42,803</u>
Total Funds	<u>\$214,015</u>

EDF 54000 – 210711CON
Local Letting

8. PASSENGER TRANSPORTATION - Transportation to Work Program
Project Authorization (1) under Master Agreement (2022-0016) between MDOT and the Bay Metropolitan Transportation Authority will provide state funds to transport welfare recipients and eligible low-income individuals to and from jobs and activities related to their employment. The authorization will be in effect from October 1, 2021, through September 30, 2022. The authorization amount will be \$145,000. The term of the master agreement is from October 1, 2021, until the last obligation between the parties has been fulfilled. The master agreement includes authorizations for program years FY 2022 through FY 2025. Source of Funds: FY 2022 State Restricted Comprehensive Transportation Funds - \$145,000.

9. PASSENGER TRANSPORTATION - Transportation to Work Program
Project Authorization (1) under Master Agreement (2022-0079) between MDOT and the Jackson Area Transportation Authority will provide state funds to transport welfare recipients and eligible low-income individuals to and from jobs and activities related to their employment. The authorization will be in effect from October 1, 2021, through September 30, 2022. The authorization amount will be \$300,000. The term of the master agreement is from October 1, 2021, until the last obligation between the parties has been fulfilled. The master agreement includes authorizations for program years FY 2022 through FY 2025. Source of Funds: FY 2022 State Restricted Comprehensive Transportation Funds - \$300,000.
10. PASSENGER TRANSPORTATION - Transportation to Work Program
Project Authorization (1) under Master Agreement (2022-0086) between MDOT and the Livingston County Board of Commissioners will provide state funds to transport welfare recipients and eligible low-income individuals to and from jobs and activities related to their employment. The authorization will be in effect from October 1, 2021, through September 30, 2022. The authorization amount will be \$77,670. The term of the master agreement is from October 1, 2021, until the last obligation between the parties has been fulfilled. The master agreement includes authorizations for program years FY 2022 through FY 2025. Source of Funds: FY 2022 State Restricted Comprehensive Transportation Funds - \$77,670.
11. *RAIL – Increase Grant Amount
Amendatory Contract (2021-0142/A1) between MDOT and Pro V Group LLC will increase the grant amount by \$132,202 to add the installation of a rail scale to the project, which will further increase rail capacity at the scrap yard facility in Dearborn. The original contract provides financial assistance in the form of a grant to assist in the construction of two rail spurs at the Pro V Group LLC scrap yard facility in Dearborn, Michigan. The contract term remains unchanged, from January 21, 2021, until the last obligation between the parties has been fulfilled, until the contract is terminated, or until the appropriate grant funds have been dispensed. The revised estimated project cost will be \$661,564. MDOT will reimburse Pro V Group LLC for 50 percent of the project cost, up to a maximum amount of \$330,782. Source of Funds: State Restricted Comprehensive Transportation Funds - \$330,782; Pro V Group LLC Funds - \$330,782.

Respectfully submitted,

Paul C. Ajegba
Director

LETTING STATISTICS

November 2021

TRUNKLINE CONTRACTS OVERVIEW

The bid letting of November 5th included 43 Trunkline contracts with \$146.9 million in total engineer estimates. The low bids received totaled \$165.5 million. The average of low bids received was \$2.3 million and a median of \$1.1 million. Of the 43 contracts, 20 included warranties with \$128.6 million as the low bid total. The Trunkline contracts received 134 bids. In comparison to November 2020, 35 Trunkline contracts were let with total engineer estimates of \$103.4 million, low bid dollars of \$100.6 million, and 123 bids received.

For fiscal year 2022 to date, 71 Trunkline contracts have been let with a low bid total of \$312.4 million. For the same period of fiscal year 2021, 60 Trunkline contracts were let with the low bid total of \$268.6 million.

ALL PROGRAM AREA CONTRACTS SUMMARY

A total of 58 contracts were let with 181 bids received. The average number of bids per contract was 3.12.

For the November bid letting, two items resulted in the rejection of all bids. There was one item withdrawn and one item postponed.

Of the 70 contracting companies approved to submit bids for the October bid letting, 64 submitted at least one bid.

JOB PROJECTIONS

Job projections are Trunkline jobs specific in category and are classified under the work groups of road, bridge, and traffic and safety.

The list of jobs projected to be let during FY 2022 was updated on 11/17//2021 to include a total of 380 jobs with total construction cost estimates of \$2.20 billion.

For fiscal year 2022 to date, 100% of jobs anticipated for this period have been let using 96.13% of the projected cost estimates.

UPCOMING LETTING STATS

The **December 3, 2021, Bid Letting** is advertising 27 Trunkline contracts estimated at a total of \$202.8 million with \$170.6 million in warranty contracts. There are 14 Local Agency contracts being advertised for a total of \$15.1 million with no warranty contracts.

The **December 15, 2021, Special Letting**, to date, is advertising 2 Trunkline contracts estimated at a total of \$378.4 million, with the same amount in warranty contracts. To date, there are no Local Agency contracts being advertised for this special letting.

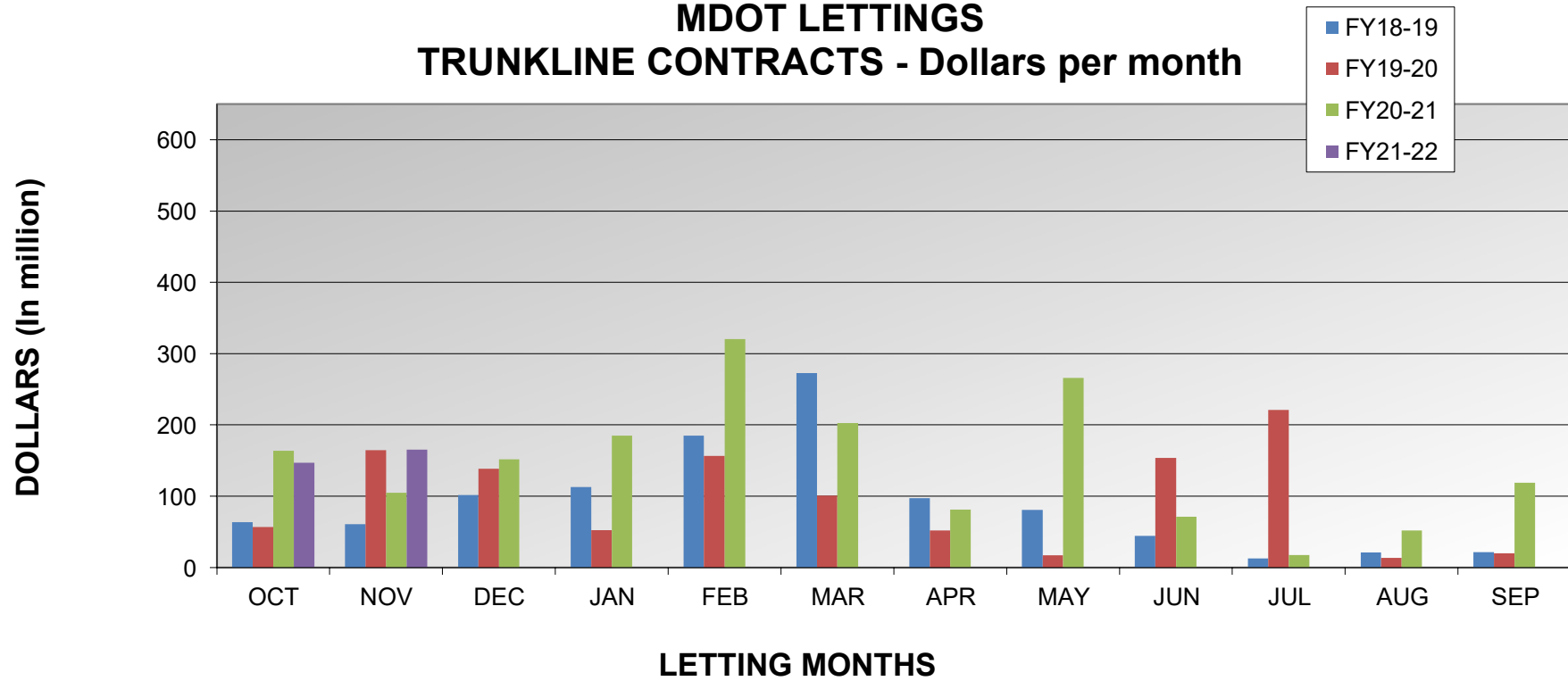
NOVEMBER 2021 LETTING SUMMARY

STATISTICS	PROGRAM AREA				
	TRUNKLINE	LOCAL AGENCY	AERONAUTICS	FREIGHT SERVICES	TOTALS
Project Report					
Number of Contracts Let	43	15	0	0	58
Engineer Estimates of Contracts Let	\$146,882,706.50	\$13,628,929.92	\$0.00	\$0.00	\$160,511,636.42
Low Bid Report					
Low Bid Total	\$165,512,018.60	\$12,994,973.59	\$0.00	\$0.00	\$178,506,992.19
% over/under Engineer's Estimate	12.68%	-4.65%	0.00%	0.00%	11.21%
All Bids Rejected Report					
Number of Contracts - All Bids Rejected	2	0	0	0	2
Engineer Estimate Total	\$9,001,559.18	\$0.00	\$0.00	\$0.00	\$9,001,559.18
Low Bid Total	\$16,894,896.49	\$0.00	\$0.00	\$0.00	\$16,894,896.49
% over/under Engineer's Estimate	87.69%	0.00%	\$0.00	0.00%	87.69%
Low Bids Pending					
Number of To Be Announced Contracts	12	3	0	0	15
Engineer Estimate Total	\$91,700,610.86	\$3,576,956.32	\$0.00	\$0.00	\$95,277,567.18
Low Bid total	\$105,832,947.53	\$3,906,804.54	\$0.00	\$0.00	\$109,739,752.07
% over/under Engineer's Estimate	15.41%	9.22%	0.00%	0.00%	15.18%
Bidder (Bids) Report					
Number of Bids Received	134	47	0	0	181
Average # of Bidders per Project	3.12	3.13	0.00	0.00	3.12
UPCOMING LETTING PROJECTIONS					

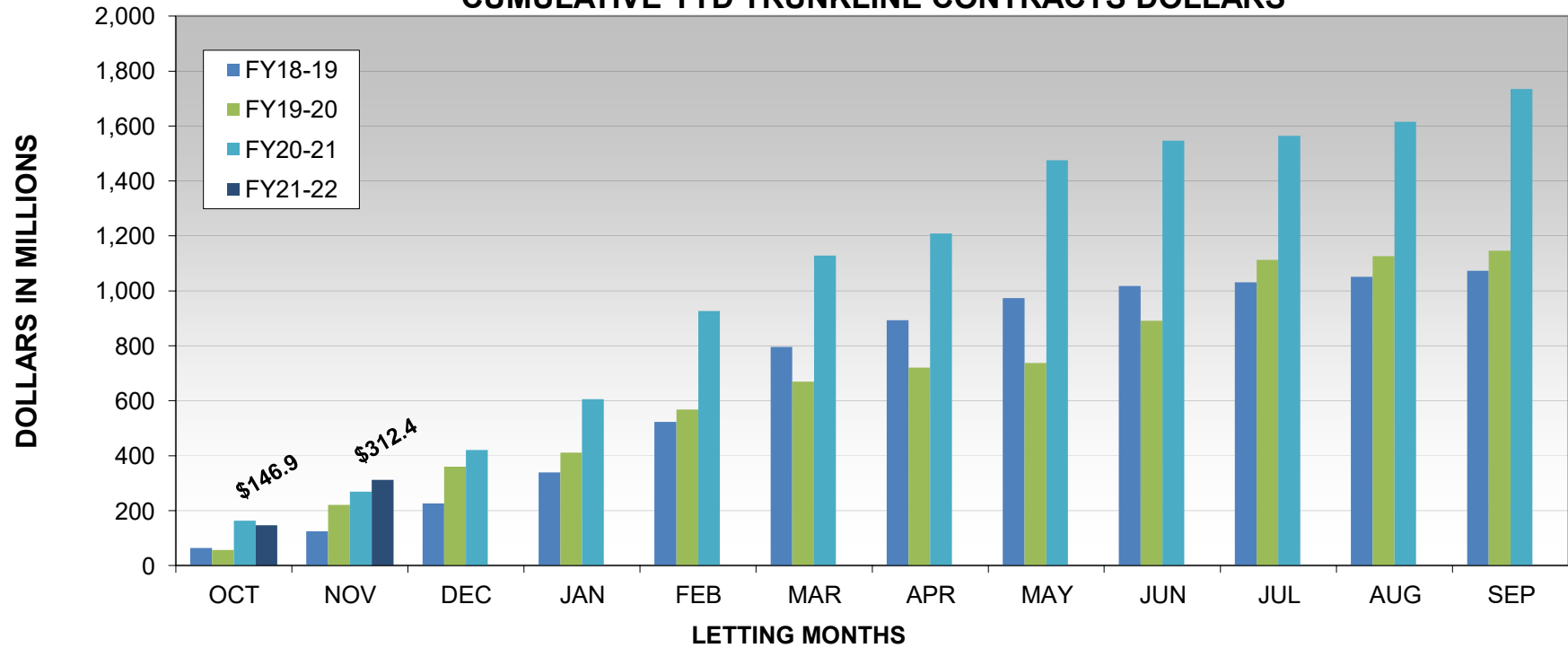
LETTING DATES	<u>Trunkline</u>	<u>Local Agency</u>	<u>Aeronautics</u>	<u>Freight Services</u>	<u>Total</u>
December 3, 2021, Bid Letting					
# of Contracts Advertised	27	14	0	0	41
# of Contracts with Warranties	16	0	0	0	16
\$ Engineer Estimates of Contracts Advertised (In million)	\$202,803,975.67	\$15,144,645.81	\$0.00	\$0.00	\$217,948,621.48
\$ Engineer Estimates of Warranty Contracts (In million)	\$170,620,157.11	\$0.00	\$0.00	\$0.00	\$170,620,157.11

December 15, 2021, Bid Letting (to date)					
# of Contracts Advertised	2	0	0	0	2
# of Contracts with Warranties	2	0	0	0	2
\$ Engineer Estimates of Contracts Advertised (In million)	\$378,359,098.67	\$0.00	\$0.00	\$0.00	\$378,359,098.67
\$ Engineer Estimates of Warranty Contracts (In million)	\$378,359,098.67	\$0.00	\$0.00	\$0.00	\$378,359,098.67

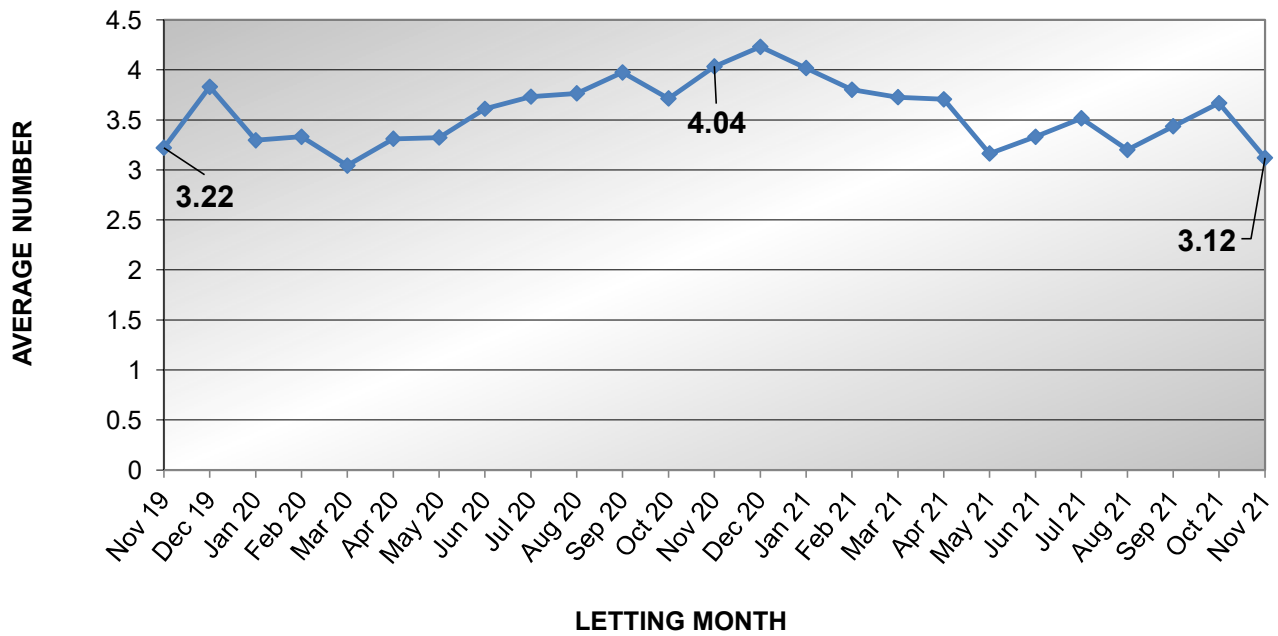
MDOT LETTINGS TRUNKLINE CONTRACTS - Dollars per month



MDOT LETTINGS
CUMULATIVE YTD TRUNKLINE CONTRACTS DOLLARS



AVERAGE NUMBER OF BIDDERS
NOVEMBER 2019 - NOVEMBER 2021



NUMBER OF BIDS - BY REGION
NOVEMBER 2021

REGION	NO BIDS	1 BID	2 BIDS	3 BIDS	4 BIDS	5 BIDS	6 BIDS	7 BIDS	8 BIDS	9 BIDS	=>10 BIDS	CONTRACTS BY REGION
BAY		1	3	2	2							8
GRAND		1	3	2	4	2						12
METRO		1	1	3	4	1						10
NORTH		1	1	3			1					6
SOUTHWEST			2		2	1	1					6
SUPERIOR		1	6	3			1					11
UNIVERSITY				1	4							5
NUMBER OF PROJECTS	0	5	16	14	16	4	3	0	0	0	0	58

TBA REPORT

November 2021

LETTING CALL NO.	PROGRAM AREA	≥\$500k	REASON	STATUS
1	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
3	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
7	TRUNKLINE	X	10%other**	Justification Received/Waiting on Comm Approval
8	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
11	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
20	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
22	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
24	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
28	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
38	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
40	LOCAL	X	other**	Waiting on Comm Approval-Single Bidder
47	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
51	TRUNKLINE	X	10%	Justification Received/Waiting on Comm Approval
58	LOCAL	X	10%	Justification Received/Waiting on Comm Approval
60	LOCAL	X	other**	Waiting on Comm Approval-Single Bidder
other** one bidder over \$500,000				

BID LETTING STATISTICS - LOW BIDS RECEIVED (IN \$MILLION)

DATE	TRUNKLINE (Incl. Real Estate)				LOCAL AGENCY				AERONAUTICS				FREIGHT SERVICES				TOTALS			
	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$
Oct-19	37	37	\$56.56	\$56.56	15	15	\$20.69	\$20.69	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	52	52	\$77.25	\$77.25
Nov-19	53	90	\$164.20	\$220.76	15	30	\$9.96	\$30.66	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	68	120	\$174.16	\$251.41
Dec-19	36	126	\$138.54	\$359.30	35	65	\$43.22	\$73.87	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	71	191	\$181.76	\$433.17
Jan-20	30	156	\$52.10	\$411.40	24	89	\$27.08	\$100.95	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	54	245	\$79.18	\$512.35
Feb-20	38	194	\$156.51	\$567.91	46	135	\$60.98	\$161.93	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	84	329	\$217.49	\$729.84
Mar-20	47	241	\$100.80	\$668.71	45	180	\$62.12	\$224.05	0	0	\$0.00	\$0.00	0	0	\$0.00	\$0.00	92	421	\$162.92	\$892.76
Apr-20	30	271	\$51.71	\$720.42	62	242	\$76.19	\$300.24	0	0	\$0.00	\$0.00	1	1	\$2.55	\$2.55	93	514	\$130.45	\$1,023.21
May-20	16	287	\$17.10	\$737.52	55	297	\$65.05	\$365.29	0	0	\$0.00	\$0.00	0	1	\$0.00	\$2.55	71	585	\$82.15	\$1,105.36
Jun-20	22	309	\$153.76	\$891.28	37	334	\$47.39	\$412.68	0	0	\$0.00	\$0.00	0	1	\$0.00	\$2.55	59	644	\$201.15	\$1,306.50
Jul-20	15	324	\$221.03	\$1,112.31	30	364	\$40.09	\$452.77	0	0	\$0.00	\$0.00	0	1	\$0.00	\$2.55	45	689	\$261.12	\$1,567.62
Aug-20	15	339	\$13.50	\$1,125.81	32	396	\$42.30	\$495.07	0	0	\$0.00	\$0.00	0	1	\$0.00	\$2.55	47	736	\$55.80	\$1,623.42
Sep-20	17	356	\$19.90	\$1,145.71	23	419	\$27.60	\$522.67	0	0	\$0.00	\$0.00	0	1	\$0.00	\$2.55	40	776	\$47.50	\$1,670.92
TOT	356		\$1,145.71		419		\$522.67		0		\$0.00		1		\$2.55		776		\$1,670.92	

DATE	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$
Oct-20	24	24	\$163.7	\$163.7	12	12	\$7.2	\$7.2	0	0	\$0.0	\$0.0	0	0	\$0.0	\$0.0	36	36	\$170.9	\$170.9
Nov-20	36	60	\$104.9	\$268.6	21	33	\$27.2	\$34.4	0	0	\$0.0	\$0.0	0	0	\$0.0	\$0.0	57	93	\$132.1	\$303.0
Dec-20	25	85	\$151.9	\$420.5	13	46	\$11.5	\$45.9	0	0	\$0.0	\$0.0	1	1	\$0.1	\$0.1	39	132	\$163.5	\$466.5
Jan-21	19	104	\$185.0	\$605.5	34	80	\$51.5	\$97.4	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	53	185	\$236.5	\$703.0
Feb-21	31	135	\$320.3	\$925.8	45	125	\$42.8	\$140.2	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	76	261	\$363.1	\$1,066.1
Mar-21	31	166	\$202.5	\$1,128.3	42	167	\$47.8	\$188.0	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	73	334	\$250.3	\$1,316.4
Apr-21	16	182	\$81.2	\$1,209.5	42	209	\$59.0	\$247.0	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	58	392	\$140.2	\$1,456.6
May-21	21	203	\$266.1	\$1,475.6	58	267	\$275.5	\$522.5	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	79	471	\$541.6	\$1,998.2
Jun-21	13	216	\$71.1	\$1,546.7	44	311	\$32.8	\$555.3	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	57	528	\$103.9	\$2,102.1
Jul-21	15	231	\$17.5	\$1,564.2	53	364	\$78.6	\$633.9	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	68	596	\$96.1	\$2,198.2
Aug-21	20	251	\$51.9	\$1,616.1	15	379	\$20.7	\$654.6	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	35	631	\$72.6	\$2,270.8
Sep-21	19	270	\$118.9	\$1,735.0	4	383	\$3.1	\$657.7	0	0	\$0.0	\$0.0	0	1	\$0.0	\$0.1	23	654	\$122.0	\$2,392.8
TOT	270		\$1,735.00		383		\$657.70		0		\$0.00		1		\$0.05		654		\$2,392.75	

DATE	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$	# Let	Totl #	\$ Let	Totl \$
Oct-21	28	28	\$146.9	\$146.9	16	16	\$14.1	\$14.1	0	0	\$0.0	\$0.0	1	1	\$32.9	\$32.9
Nov-21	43	71	\$165.5	\$312.4	15	31	\$13.0	\$27.1	0	0	\$0.0	\$0.0	0	1	\$0.0	\$32.9
Dec-21																
Jan-22																
Feb-22																
Mar-22																
Apr-22																
May-22																
Jun-22																
Jul-22																
Aug-22																
Sep-22																
TOT	71		\$312.40		31		\$27.10		0		\$0.00		1		\$32.90	

REQUEST FOR MICHIGAN STATE TRANSPORTATION

COMMISSION APPROVAL

BID LETTING PRE-APPROVAL

November 24, 2021

The following contracts are being submitted for your information.

STATE PROJECTS**TRUNKLINE CONTRACTS**

1. Letting of December 3, 2021
 Letting Call: 2112 001
 Project: ST 82062-202534
 Local Agreement: 21-5295
 Start Date: February 1, 2022
 Completion Date: November 1, 2023

 Traffic signal modernization and modification, concrete sidewalk, ramp, Intelligent Transportation Systems device installation and pavement markings at various locations on M-3 (Gratiot Avenue) from Harper Avenue to Randolph Street and US-12 (Michigan Avenue) from Cass Avenue to I-94 in the city of Detroit, Wayne County.

 5.00 % DBE participation required

 Prequalification Level:
\$10,471,000.00

2. Letting of December 3, 2021
 Letting Call: 2112 002
 Project: M 70024-201133 , ETC
 Local Agreement:
 Start Date: March 7, 2022
 Completion Date: November 1, 2025

 6.83 mi of hot mix asphalt reconstruction and concrete pavement reconstruction, concrete curb and gutter, culverts, sewer, drainage, precast concrete box culverts, sheet piling, cofferdams, bridge deck patching, guardrail, signing and pavement markings on I-196 from west of Byron Road east to 32nd Avenue including the ramps at Byron Road interchange, Ottawa County. This project includes a 2-year concrete surface coating warranty and a 5-year thin epoxy polymer bridge deck performance warranty. This project is an Alternative Pavement Bid project. Alternative 1 (Section 2) is an HMA alternative and included a 5-year materials and workmanship pavement warranty. Alternative 2 (Section 3) is a Concrete Alternative and included a 5-year materials and workmanship pavement warranty.

 6.00 % DBE participation required

3. Letting of December 3, 2021
Letting Call: 2112 003
Project: BO 06041-126951 , ETC
Local Agreement:
Start Date: April 18, 2022
Completion Date: September 19, 2025

6.40 mi of hot mix asphalt cold milling and two course bituminous resurfacing and bridge rehabilitation includes deck patching, epoxy overlay, joint replacement, railing replacement, deck replacement, beam end repair, full and partial painting, substructure repair, concrete surface coating and approach work on 19 bridges on various routes, Arenac County. This project includes two 5-year materials and workmanship warranties, a 5-year epoxy performance warranty, a 2-year concrete surface coating warranty and a 2-year bridge coating warranty.

5.00 % DBE participation required
4. Letting of December 3, 2021
Letting Call: 2112 004
Project: CM 82101-127643 , ETC
Local Agreement:
Start Date: June 21, 2022
Completion Date: September 17, 2022

0.37 mi of hot mix asphalt cold milling and resurfacing, detail 7 and 8 joint and crack repairs, full-depth concrete pavement repairs, sidewalk ramps, intersection widening, traffic signal upgrade, drainage improvements, guardrail, signing, and pavement markings on Old M-14 (Ann Arbor Road) at Beck Road and from Napier Road to Canton Center Road, Wayne County. This project includes a 3-year materials and workmanship pavement warranty.

5.00 % DBE participation required
5. Letting of December 3, 2021
Letting Call: 2112 005
Project: IM 23061-115218
Local Agreement:
Start Date: April 18, 2022
Completion Date: June 16, 2023

Bridge reconstruction and rehabilitation includes superstructure, pier cap, bridge railing and partial abutment replacement, pier overcasting, epoxy overlay, reseal joints, deck patching, full depth deck patch, full paint, steel repairs, rocker bearing realignment, substructure repairs and approach work on I-69 over Charlotte Southern Railroad, Eaton County. This project includes a 5-year epoxy overlay performance warranty and a 2-year bridge coating warranty.

5.00 % DBE participation required

Prequalification Level:
\$29,975,000.00

Prequalification Level:
\$2,793,000.00

Prequalification Level:
\$4,660,000.00

6. Letting of December 3, 2021
Letting Call: 2112 006
Project: IM 38101-212899
Local Agreement:
Start Date: January 4, 2022
Completion Date: June 15, 2022
- Prequalification Level:
\$1,271,000.00
- 12.72 mi of tree and stump removal, clearing and right-of-way fence removal on I-94 from Calhoun/Jackson County line to east of M-60, Jackson County.
- 7.00 % DBE participation required
7. Letting of December 3, 2021
Letting Call: 2112 007
Project: IM 24071-131805 , ETC
Local Agreement: 21-5275
Start Date: April 11, 2022
Completion Date: November 11, 2022
- Prequalification Level:
\$9,307,000.00
- 1.96 mi of hot mix asphalt reconstruction and resurfacing, drainage, culverts, concrete curb and gutter, guardrail, pavement markings and signing, bridge reconstruction and rehabilitation includes epoxy overlay and deck patching on I-75 from old M-108 to the Mackinac Bridge and US-23 from I-75 to Huron Avenue in the village of Mackinaw City, Emmet and Cheboygan counties. This project includes two 5-year materials and workmanship pavement warranties, a 2-year warranty on concrete surface coating, and a 2-year performance warranty for thin epoxy polymer bridge deck overlay.
- 5.00 % DBE participation required
8. Letting of December 3, 2021
Letting Call: 2112 008
Project: IM 34043-201242 , ETC
Local Agreement:
Start Date: April 15, 2022
Completion Date: November 15, 2022
- Prequalification Level:
\$1,035,000.00
- 0.03 mi of bridge rehabilitation includes polyester polymer concrete overlay, joint replacement, full depth deck patches, center bay replacement, beam and substructure repairs, approach work and hot mix asphalt cold milling and resurfacing, signing and pavement markings at carpool lot on I-96 over Jordan Lake Road and Exit 64 off I-96 on Grand River Avenue, Ionia County.
- 3.00 % DBE participation required
9. Letting of December 3, 2021
Letting Call: 2112 009
Project: M 58053-210421
Local Agreement:
Start Date: April 1, 2022
Completion Date: November 15, 2022
- Prequalification Level:
\$2,347,000.00
- 0.01 mi of culvert replacement includes roadway reconstruction, water main relocation and approach work on US-24 over Port Creek, Monroe County.
- 0.00 % DBE participation required

10. Letting of December 3, 2021
Letting Call: 2112 013
Project: STU 39000-206273 , ETC
Local Agreement: 21-5413
Start Date: 10 days after award
Completion Date: April 22, 2023
- Prequalification Level:
\$2,061,000.00
- 1.86 mi of hot mix asphalt cold milling and resurfacing, concrete sidewalk ramps and pavement markings on Sprinkle Road from Main Street to G Avenue, Kalamazoo County. This is a Local Agency project.
- 4.00 % DBE participation required
11. Letting of December 3, 2021
Letting Call: 2112 014
Project: NH 54024-201241
Local Agreement:
Start Date: March 1, 2022
Completion Date: June 18, 2022
- Prequalification Level:
\$1,645,000.00
- 0.01 mi of culvert removal and replacement with a box culvert, cofferdam, approach work and pavement markings on US-131BR over US-131 and over Dalziel Creek, Mecosta County.
- 5.00 % DBE participation required
12. Letting of December 3, 2021
Letting Call: 2112 015
Project: IM 61152-129961
Local Agreement:
Start Date: April 11, 2022
Completion Date: June 2, 2023
- Prequalification Level:
\$2,726,000.00
- Bridge rehabilitation of 3 structures including deep overlay, barrier and substructure patching, replacement of expansion joint, steel beam repair, partial cleaning and coating of structural steel, concrete surface coating, installation of mesh metal panels, scour countermeasures and approach work on I-96 over Hile Road and I-96 over Norris Creek, Muskegon County. This project includes a 2-year warranty on concrete surface coating.
- 3.00 % DBE participation required
13. Letting of December 3, 2021
Letting Call: 2112 016
Project: ST 82193-209088
Local Agreement:
Start Date: 10 days after award
Completion Date: April 30, 2023
- Prequalification Level:
\$10,183,000.00
- Rehabilitation of 4 pump stations including the removal and replacement of noted mechanical and electrical components and miscellaneous structure upgrades and repairs at M-39 at McNichols, M-39 at 7 Mile, M-39 at Pembroke and M-39 at 8 Mile in the city of Detroit, Wayne County.
- 3.00 % DBE participation required

14. Letting of December 3, 2021
Letting Call: 2112 017
Project: ST 17042-208643
Local Agreement:
Start Date: 10 days after award
Completion Date: August 5, 2022
- Prequalification Level:
\$2,146,000.00
- 11.10 mi of hot mix asphalt cold milling and resurfacing, centerline and shoulder corrugations, guardrail and pavement markings on M-48 from Mackinac Trail to M-129, Chippewa County. This project includes a 3-year materials and workmanship warranty.
- 0.00 % DBE participation required
15. Letting of December 3, 2021
Letting Call: 2112 018
Project: NH 70021-205019
Local Agreement:
Start Date: April 14, 2022
Completion Date: June 30, 2023
- Prequalification Level:
\$1,424,000.00
- 5.10 mi of installation of traffic surveillance cameras, dynamic message sign, vehicle detection system and related communications infrastructure on US-31 at multiple locations in the city of Holland, Ottawa County.
- 0.00 % DBE participation required
16. Letting of December 3, 2021
Letting Call: 2112 019
Project: ST 01023-205131
Local Agreement:
Start Date: August 1, 2022
Completion Date: September 9, 2022
- Prequalification Level:
\$555,000.00
- 7.02 mi of overband crack fill, chip seal, and fog seal on M-72 West from east of Crooked Lake Road to M65 and M-72 East from M-65 to O'Donnell Road, Alcona County. This project includes a 2-year pavement performance warranty.
- 0.00 % DBE participation required
17. Letting of December 3, 2021
Letting Call: 2112 021
Project: NH 05031-211575
Local Agreement:
Start Date: June 1, 2022
Completion Date: September 30, 2022
- Prequalification Level:
\$3,019,000.00
- 11.63 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter and sidewalk ramp upgrades and pavement markings on M-88 from north of Shanty Creek Road to west of Cedar River Road/West Limits Road and from south of Park Street to west of Ellsworth Road, Antrim County. This project includes a 3-year materials and workmanship pavement warranty.
- 3.00 % DBE participation required

18. Letting of December 3, 2021
Letting Call: 2112 022
Project: NH 82252-208614
Local Agreement:
Start Date: 10 days after award
Completion Date: September 25, 2022

5.80 mi of hot mix asphalt cold milling and resurfacing, pavement repairs and pavement markings on I-75 from Piquette Avenue to M-102 (8 Mile Road) in the cities of Highland Park and Hamtramck, Wayne County. This project includes two 5-year materials and workmanship pavement warranties and a 3-year materials and workmanship pavement warranty.

5.00 % DBE participation required
19. Letting of December 3, 2021
Letting Call: 2112 023
Project: NH 83013-213363
Local Agreement:
Start Date: April 18, 2022
Completion Date: August 12, 2022

72.55 mi of hot mix asphalt crack treatment, warranty and asphalt repair mastic on M-37, M-115, M-72, M66, M-113, US-31 and Old Business US-131, Manistee, Benzie, Leelanau, Wexford, Grand Traverse, and Missaukee Counties. This project includes a 2-year pavement performance warranty.

0.00 % DBE participation required
20. Letting of December 3, 2021
Letting Call: 2112 024
Project: NH 82111-211256
Local Agreement:
Start Date: 10 days after award
Completion Date: June 17, 2022

0.98 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, detail 7 joint repairs and pavement markings on I-375 from Beaubien Street to I-375 in the city of Detroit, Wayne County. This project includes a 3-year materials and workmanship pavement warranty.

4.00 % DBE participation required
21. Letting of December 3, 2021
Letting Call: 2112 025
Project: NH 72051-213449
Local Agreement:
Start Date: July 11, 2022
Completion Date: September 30, 2022

59.04 mi of hot mix asphalt crack treatment and pavement markings on various routes, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Otsego, Gladwin and Roscommon Counties. This project includes a 2-year pavement performance warranty.

0.00 % DBE participation required

Prequalification Level:
\$9,828,000.00

Prequalification Level:
\$727,000.00

Prequalification Level:
\$2,270,000.00

Prequalification Level:
\$688,000.00

22. Letting of December 3, 2021
Letting Call: 2112 026
Project: NHG 50023-202045
Local Agreement:
Start Date: 10 days after award
Completion Date: June 1, 2023

13.68 mi of freeway signing upgrades, overhead sign structures, guardrail and install delineators along M-59 from Paddock Street to Van Dyke Avenue, Oakland and Macomb Counties.

0.00 % DBE participation required
23. Letting of December 3, 2021
Letting Call: 2112 027
Project: STG 82071-210865
Local Agreement: 21-5338
Start Date: January 31, 2022
Completion Date: September 30, 2022

Traffic signal modernizations, hot mix asphalt paving and concrete sidewalk ramps on M-85 at the intersections of 3rd Street and Shelby Street in the city of Detroit, Wayne County.

5.00 % DBE participation required
24. Letting of December 3, 2021
Letting Call: 2112 028
Project: ST 46081-211082
Local Agreement:
Start Date: May 16, 2022
Completion Date: June 30, 2022

4.88 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter, ramps and pavement markings on M-50 from east of Nortley Highway to M-52, Lenawee County. This project includes two 3-year materials and workmanship pavement warranties.

3.00 % DBE participation required
25. Letting of December 3, 2021
Letting Call: 2112 029
Project: M 66033-203988
Local Agreement:
Start Date: July 25, 2022
Completion Date: 55 Working Days

13.75 mi of hot mix asphalt cold milling and resurfacing, concrete sidewalk ramps, drainage structure repairs and pavement markings on US-45 from northwest of the M-26 junction northwesterly to Greenland Road in the village of Ontonagon, Ontonagon County. This project includes two 3-year materials and workmanship pavement warranties.

0.00 % DBE participation required

26. Letting of December 3, 2021
Letting Call: 2112 034
Project: M 46082-208718
Local Agreement:
Start Date: June 14, 2022
Completion Date: August 26, 2022
- Prequalification Level:
\$870,000.00
- 1.30 mi of hot mix asphalt cold milling and resurfacing, concrete sidewalk ramps, pavement repairs and pavement markings on M-50 from Sunset Street easterly to approach of River Raisin Bridge in the city of Tecumseh, Lenawee County. This project includes a 3-year materials and workmanship pavement warranty.
- 0.00% DBE participation required
27. Letting of December 15, 2021
Letting Call: 2112 601
Project: IMG 63022-124103 , ETC
Local Agreement:
Start Date: March 1, 2022
Completion Date: November 1, 2026
- Prequalification Level:
\$240,154,000.00
- 11.80 mi of pavement reconstruction, active traffic management installation, ITS equipment, ramp metering at on-ramps, box culvert construction (10 total), grading and drainage improvements, signing, lighting, landscaping, bridge rehabilitation (12 structures) and pavement markings on I-96 from east of Kent Lake Road to the I-275 / I-696 / M-5 interchange in the cities of Novi, Wixom, and Farmington Hills, Oakland County. This project includes two 5-year materials and workmanship pavement warranties (HMA or concrete), one 2-year pavement performance warranty, one 2-year concrete surface coating warranty, and one 5-year performance warranty for thin epoxy polymer bridge deck overlay. This project is an Alternate Pavement Bid project. Alternate 1 (Section 2) is an HMA Alternative and includes a 5-year materials and workmanship pavement warranty. Alternate 2 (Section 3) is a Concrete Alternative and includes a 5-year materials and workmanship pavement warranty.
- 5.00 % DBE participation required
28. Letting of December 15, 2021
Letting Call: 2112 602
Project: RBMP, HIPS 03032-113122 , ETC
Local Agreement:
Start Date: March 14, 2022
Completion Date: May 26, 2023
- Prequalification Level:
\$22,940,000.00
- 2.80 mi of hot mix asphalt and concrete pavement reconstruction, precast concrete box culverts, drainage, guardrail, signals and pavement markings and bridge rehabilitation includes deep overlay, full depth concrete deck patching, expansion joint replacement, concrete surface coating and approach work on US-31 from I-196 to Central Avenue in the city of Holland, Ottawa County. This project contains a 2-year warranty on concrete surface coating. This project is an Alternative Pavement Bid project. Alternative 1 (Section 2) is an HMA alternative and included a 5-year materials and workmanship pavement warranty. Alternative 2 (Section 3) is a Concrete Alternative and includes a 5-year materials and workmanship pavement warranty.
- 7.00 % DBE participation required

29. Letting of February 18, 2022
Letting Call: 2202 601
Project: IM 38101-127621 , ETC
Local Agreement:
Start Date: April 5, 2022
Completion Date: October 1, 2026

Prequalification Level:
\$123,334,000.00

12.72 mi of mainline and ramp alternate bid pavement reconstruction and hot mix asphalt overlay with alternate bid pavement reconstruction including drainage improvements, guardrail, signing, pavement marking, ITS, roundabout construction, lighting and bridge preventive maintenance on 10 structures on I-94 from the Jackson/Calhoun County Line easterly to M-60, under Gibbs Road and M-99, at Michigan Avenue and Dearing Road in the cities of Parma and Jackson, Jackson County. This project includes three 5-year materials and workmanship pavement warranties, a 2-year performance warranty for concrete surface coating and a 5-year performance warranty for thin epoxy polymer bridge deck overlay. Alternate 1 is hot mix asphalt road work with related items and Alternate 2 is concrete road work with related items. This project also contains Alternate Technical Concepts for Maintenance of Traffic. See the Special Provision for Maintaining Traffic and the Special Provision for Alternative Technical Concepts for Maintaining Traffic for Contract Identification 38101-127621 in the proposal for more information. This project is an OJTVIP project. See Special Provision for PREPARATION AND CONSIDERATION OF BIDS ON ON-THE-JOB TRAINING.

6.00 % DBE participation required

LOCAL AGENCY CONTRACTS

30. Letting of December 3, 2021
Letting Call: 2112 010
Project: MCS 51000-209842
Local Agreement: 21-5399
Start Date: 10 days after award
Completion Date: May 30, 2022

Prequalification Level:
\$909,000.00

Bridge rehabilitation includes epoxy overlay, cleaning and coating structural steel and concrete patching on Maple Street (Washington Street) over Manistee River in the city of Manistee, Manistee County. This is a Local Agency project.

0.00 % DBE participation required

31. Letting of December 3, 2021
Letting Call: 2112 011
Project: STL 73000-211789
Local Agreement: 21-5371
Start Date: May 2, 2022
Completion Date: June 30, 2022

Prequalification Level:
\$1,281,000.00

3.74 mi of hot mix asphalt cold milling and resurfacing, shoulder trenching and pavement markings on Swan Creek Road from Graham Road (M-52) east to River Road, Saginaw County. This is a Local Agency project.

5.00 % DBE participation required

32. Letting of December 3, 2021
Letting Call: 2112 012
Project: STU 82000-205841
Local Agreement: 21-5396
Start Date: 10 days after award
Completion Date: August 19, 2022

0.42 mi of concrete pavement with integral curb, concrete sidewalk and curb ramps, storm sewer, signing and pavement markings on Hamtramck Drive from Joseph Campau Road easterly to the east city limits of Hamtramck, Wayne County. This is a Local Agency project.

5.00 % DBE participation required
33. Letting of December 3, 2021
Letting Call: 2112 030
Project: STUL 56000-206503
Local Agreement: 21-5418
Start Date: 10 days after award
Completion Date: August 26, 2022

0.56 mi of hot mix asphalt reconstruction, storm sewer, concrete curb and gutter, signing and pavement markings on Sugnet Road from Northwood Drive to Main Street in the city of Midland, Midland County. This is a Local Agency project.

3.00 % DBE participation required
34. Letting of December 3, 2021
Letting Call: 2112 031
Project: HSIP 13000-211704 , ETC
Local Agreement: 21-5417
Start Date: 10 days after award
Completion Date: June 18, 2023

20.46 mi of tree and brush removal on various routes, Calhoun County. This is a Local Agency project.

3.00 % DBE participation required
35. Letting of December 3, 2021
Letting Call: 2112 032
Project: MCS 26000-209785
Local Agreement: 21-5408
Start Date: 10 days after award
Completion Date: October 7, 2022

Bridge rehabilitation includes shallow concrete deck overlay, pin, hanger and expansion joint replacements, cleaning and coating of structural steel and substructure patching on Estey Road over the Tittabawassee River, Gladwin County. This is a Local Agency project.

0.00 % DBE participation required

36. Letting of December 3, 2021
Letting Call: 2112 033
Project: NH 63000-206028
Local Agreement: 21-5428
Start Date: 10 days after award
Completion Date: October 31, 2022

Prequalification Level:
\$4,153,000.00

0.84 mi of hot mix asphalt reconstruction, concrete curb, gutter, sidewalk and ramps, water main, signing and pavement markings on 14 Mile Road from Farmington Road to Orchard Lake Road in the city of Farmington Hills, Oakland County. This is a Local Agency project.

6.00 % DBE participation required

Respectfully submitted,

Paul C. Ajegba
Director

OFFICE MEMORANDUM

DATE: November 18, 2021

TO: State Transportation Commission

FROM: Jack Cotter, CPA, CGMA
Commission Auditor
Office of Commission Audits

SUBJECT: Justification Memorandums

Attached for your information are the department's justification memorandums for Exhibit A-2 items where the low bid exceeded the engineer's estimate by more than ten percent.

Signed copy on file

Jack Cotter, CPA, CGMA
Commission Auditor

Attachments

cc: T. Hagon

No Justifications because bid did not exceed engineer's estimate by more than 10 percent

REQUEST FOR MICHIGAN STATE
TRANSPORTATION COMMISSION APPROVAL
LETTING EXCEPTIONS AGENDA

November 24, 2021

TRUNKLINE CONTRACTS

1. Letting of November 5, 2021

Letting Call: 2111 001

Project: 82081-205017

Local Agreement: 21-5424, 21-5425

Start Date: 10 days after award

Completion Date: October 1, 2021

Low Bid: **\$4,783,580.47**

Engineer Estimate: \$4,051,617.12

Pct Over/Under Estimate: 18.07 %

Bridge reconstruction including deck replacement, structural steel repairs, pin and hanger replacement, beam end cutting, partial painting, substructure repairs, concrete surface coating, silane treatment and approach work on M-153 over Hines Drive in the cities of Dearborn and Dearborn Heights, Wayne County. This project includes a 2-year concrete surface coating warranty.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Toebe Construction LLC	\$4,783,580.47	Same	1 **
C. A. Hull Co., Inc.	\$4,823,156.71	Same	2
Z Contractors, Inc.	\$5,427,634.28	Same	3

Total Number of Bidders: 3

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be bid higher than the engineer's estimate are superstructure concrete, form, finish, and cure; bridge railing, aesthetic parapet tube; structural steel, retrofit, furnish, fabricate, and erect; and steel structure, cleaning, partial. The construction of this bridge rehabilitation project must be completed under part-width construction. The work includes several diverse types of operations, which will require multiple mobilizations of labor and equipment, causing noted items to be bid higher than estimated. In addition, there is limited lateral clearance, which will provide the contractor with little workspace for storage of materials, equipment, and completion of the work. The estimator considered several factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate due to the partwidth construction requiring multiple mobilizations for different construction operations, and limited workspace for storage and completion of the work. This project

received three bids ranging from \$4,783,580.47 to \$5,427,634.28, which varied by 13.46 percent. However, the two lowest bids varied by only 0.83 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Metro Region Office request that this project be awarded to the low bidder, based on the above conclusion.

2. Letting of November 5, 2021

Letting Call: 2111 003

Project: NH 41062-200585

Local Agreement: 21-5376

Start Date: May 2, 2022

Completion Date: November 15, 2022

Low Bid: **\$4,361,081.76**

Engineer Estimate: \$3,900,982.91

Pct Over/Under Estimate: 11.79 %

4.20 mi of hot mix asphalt cold milling and resurfacing, pavement repairs, drainage work and pavement markings on M-11 from Church Avenue to US-131 in the cities of Grandville and Wyoming, Kent County. This project contains a 5-year materials and workmanship pavement warranty.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Rieth-Riley Construction Co., Inc.	\$4,361,081.76	Same	1 **
Michigan Paving and Materials Company	\$4,924,841.94	Same	2

Total Number of Bidders: 2

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were cold milling hot mix asphalt; pavement joint and crack repair; hot mix asphalt; and minor traffic devices. These items were bid higher than normal due to maintaining traffic restrictions and an expedited schedule. Based on the traffic volumes and number of commercial businesses, the hot mix asphalt paving and associated work must be performed only at night. Additionally, this project is on an expedited schedule, creating additional risk for the contractor to complete the project in a tight timeframe. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of the maintaining traffic restrictions and an expedited schedule. This project received two bids of \$4,361,081.76 and \$4,924,841.94, which varied by 12.93 percent. We believe that rejecting the bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Grand Rapids TSC request that this project be awarded to the low bidder, based on the above conclusion.

3. Letting of November 5, 2021
Letting Call: 2111 007
Project: ST 21041-209019, ETC
Local Agreement:
Start Date: May 16, 2022
Completion Date: September 16, 2022

Low Bid: **\$2,712,177.47**
Engineer Estimate: \$1,991,736.55
Pct Over/Under Estimate: 36.17 %

2.08 mi of hot mix asphalt cold milling and resurfacing with culvert replacement, guardrail and pavement markings on M-183 from south of US-2, Delta County. This project contains a 3-year materials and workmanship pavement warranty.

2.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Payne & Dolan Inc.	\$2,712,177.47	Same	1 **

Total Number of Bidders: 1

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main item found to be higher than the engineer's estimate was cofferdam, left in place. This item was bid higher than normal due to the project's location and poor soil conditions. This project is in a remote area of the upper peninsula, increasing the cost for transporting materials and equipment to the site. The loose, sandy soil results in less than favorable working conditions, in addition to the part-width construction, creates the need for the left-in-place cofferdams. The cofferdams will be installed to match the staged construction of the project, requiring multiple work operations and mobilizations. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of the project's location and poor soil conditions. This project received one bid of \$2,712,177.47, yet had five eligible bidders that could have bid on the project. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Crystal Falls TSC request that this project be awarded to the low bidder, based on the above conclusion.

4. Letting of November 5, 2021
Letting Call: 2111 008
Project: IM 03034-201231
Local Agreement:
Start Date: April 18, 2022
Completion Date: June 1, 2023

Low Bid: **\$3,784,349.81**
Engineer Estimate: \$3,048,904.64
Pct Over/Under Estimate: 24.12 %

Concrete deep overlay, expansion joint and pin and hanger replacement, steel repair, partial painting, riprap placement and approach work on I-196/US-31 NB over the Kalamazoo River in the city of Saugatuck, Allegan County.

3.00 % DBE participation required

Bidder	As-Submitted	As-Checked
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Anlaan Corporation	\$3,784,349.81	Same	1 **
Milbocker and Sons, Inc.	\$4,091,662.96	Same	2
Davis Construction, Inc.	\$4,297,007.76	Same	3
C. A. Hull Co., Inc.	\$4,781,074.63	Same	4

Total Number of Bidders: 4

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were minor traffic devices; expansion joint device; concrete grade 4500HP; temporary support; and steel structure cleaning. This bridge is over a navigable waterway and may require work stoppage at times. The minor traffic devices and temporary supports must be installed underneath the bridge, which is in a tight area, impacting costs for those items. In addition, the steel structure cleaning work must be performed during the high flow season of the river and may be difficult and time consuming. A portion of the expansion joint is under the existing railing, making it challenging to install. The concrete grade 4500HP item includes forming work that is labor intensive for those areas of the joint under the existing barrier, increasing the cost. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of constraints due to the river and tight working areas. This project received four bids ranging between \$3,784,349.81 and \$4,781,074.63, which varied by 26.34 percent. The two lowest bids varied by 8.12 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Grand Region Office request that this project be awarded to the low bidder, based on the above conclusion.

5. Letting of November 5, 2021
 Letting Call: 2111 011
 Project: M 82071-211623
 Local Agreement:
 Start Date: December 6, 2021
 Completion Date: June 6, 2022

Low Bid: **\$2,981,489.47**
 Engineer Estimate: \$1,718,280.00
 Pct Over/Under Estimate: 73.52 %

Bridge rehabilitation includes scaling, plywood false decking and lateral bracing on various routes in the cities of Melvindale and Detroit, Wayne County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Z Contractors, Inc.	\$2,981,489.47	Same	1 **
C. A. Hull Co., Inc.	\$4,145,253.38	Same	2

Total Number of Bidders: 2

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main item found to be bid higher than the engineer's estimate is minor traffic devices. This project is a safety related project which involves bridge deck bottom and fascia scaling of over 40 bridges based on existing conditions over traffic. The duration of time a contractor will be set up in each lane to scale and remove concrete is unknown. Also, the

maintaining traffic requirements are complex considering the project locations in the Metro Region. This creates risks for the contractor to adequately estimate the resources required to complete the work, causing the minor traffic control items to be bid higher than estimated. The estimator considered several factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate due to the unknown amount of time, effort, and resources at each location while maintaining complex traffic control requirements. This project received two bids of \$2,981,489.47 and \$4,145,253.38 which varied by 39.03 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Detroit Transportation Service Center request that this project be awarded to the low bidder, based on the above conclusion.

6. Letting of November 5, 2021

Letting Call: 2111 020

Project: IM 03035-204359

Local Agreement:

Start Date: May 31, 2022

Completion Date: October 28, 2022

Low Bid: **\$1,329,972.33**

Engineer Estimate: \$1,168,019.85

Pct Over/Under Estimate: 13.87 %

Bridge rehabilitation including deep concrete overlay, full depth deck patching, expansion joint replacement, barrier patching, pin and hanger replacement, partial painting, substructure patching, slope protection repairs, concrete surface coating, silane treatment and bridge approach replacement on M-40 over I-196 in the city of Holland, Allegan County. This project includes a 2-year concrete surface coating warranty.

3.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Davis Construction, Inc.	\$1,329,972.33	Same	1 **
Milbocker and Sons, Inc.	\$1,396,168.20	Same	2
Anlaan Corporation	\$1,572,004.24	Same	3
Grand River Construction, Inc.	\$1,676,018.67	Same	4
C. A. Hull Co., Inc.	\$1,821,544.52	Same	5

Total Number of Bidders: 5

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were structures, rehabilitation, remove portions, and minor traffic devices. These items were bid higher than normal due to a limited work area and maintaining traffic constraints. There is limited lateral clearance for storage at the site and the contractor must work within those tight confines to complete the deck and approach work. Also, the work will be performed under part-width construction, and a temporary signal must always be used to maintain one lane of traffic. Additionally, there are various daily and hourly restrictions for lane closures on the highway under the structure, impacting work on the underside of the bridge. These conditions led to an increase in costs. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of a limited work area and maintaining traffic constraints. This project received five bids ranging from \$1,329,972.33 to \$1,821,544.52, which varied by 36.96 percent. The two lowest bids varied by only 4.98 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Grand Region request that this project be awarded to the low bidder, based on the above conclusion.

7. Letting of November 5, 2021
Letting Call: 2111 022

Project: RBMP 33031-210087

Local Agreement: 21-5390

Start Date: February 1, 2022

Completion Date: September 30, 2024

Low Bid: **\$67,249,837.33**

Engineer Estimate: \$60,314,605.75

Pct Over/Under Estimate: 11.50 %

12.46 mi of hot mix asphalt cold milling and resurfacing, earthwork, drainage, aggregate base, guardrail, barrier wall, signing, pavement markings and bridge rehabilitation of 10 structures includes epoxy overlays, substructure repairs, deck patching, zone painting, joint repair and scour protection on US-137 from Huntoon Creek to M-36, Ingham County. This project includes a 5-year performance warranty for thin epoxy polymer bridge deck overlay, two 5-year materials and workmanship pavement warranties and a 3-year materials and workmanship pavement warranty. This is an OJT BIP Pilot Project. Please see Special Provision for Preparation and Consideration of Bids on On-the-Job-Training Voluntary Incentive Program Projects.

7.00 % DBE participation required

Bidder	As-Submitted	As-checked	Bid Incentive	As-checked-Bid Incentive	
Kalin Construction Co., Inc.	\$67,249,837.33	Same	\$200,000.00	\$67,049,837.33	1**
Rieth-Riley Construction Co., Inc.	\$67,579,906.40	Same	\$0.00	\$67,579,906.40	2
Michigan Paving and Materials Co.	\$68,553,974.62	\$68,554,274.62	\$100,000.00	\$68,454,274.62	3
Kamminga & Roodvoets Inc.	\$78,522,719.15	Same	\$100,000.00	\$78,422,719.15	4

Total Number of Bidders: 4

Note: The As-Checked minus the Bid Incentive dollar amount determines the low bid.

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were aggregate base; aggregate shoulder; underdrain outlet; hot mix asphalt; asphalt stabilized crack relief layer; guardrail; temporary concrete barrier; and minor traffic devices. These items were bid higher than normal due to the construction staging and a multi-year construction schedule. Due to the large magnitude of the project, there are six construction stages with subphases, including those for the structures. Work for the first three stages will be performed in the first year, with work for the last three stages to be performed in the second year. Smaller segments and the project staging may lessen production rates and increase costs. In addition, these items will be used for multiple seasons and the contractor will be required to remobilize in successive years. The uncertainty of future material and labor prices may have also led to an increase in the major items of work. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of the construction staging and multi-year construction schedule. This project received four bids ranging from \$67,249,837.33 to \$78,522,719.15, which varied by 16.76 percent. The two lowest bids varied by 0.49 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Lansing TSC request that this project be awarded to the low bidder based on the above conclusion.

8. Letting of November 5, 2021

Letting Call: 2111 024

Project: M 59032-210184

Local Agreement:

Start Date: July 11, 2022

Completion Date: September 30, 2022

Low Bid: **\$739,275.89**

Engineer Estimate: \$656,441.63

Pct Over/Under Estimate: 12.62 %

Bridge reconstruction including concrete deck replacement and substructure repair, silane treatment, guardrail and approach work on M-91 over Flat River, Montcalm County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
E.T. MacKenzie Company	\$ 739,275.89	Same	1 **
Davis Construction, Inc.	\$ 803,400.29	Same	2
Grand River Construction, Inc.	\$ 824,514.40	Same	3
Milbocker and Sons, Inc.	\$ 974,898.92	Same	4
C. A. Hull Co., Inc.	\$1,542,316.61	Same	5

Total Number of Bidders: 5

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were superstructure concrete, form, finish, and cure; superstructure concrete, form, finish, and cure, night casting; and structures, rehabilitation, remove portions. These items were bid higher than normal, due to labor intensive work and an expedited schedule. The amount of superstructure concrete is relatively small, and extra precautions must be taken to prevent any material from falling into the water. In addition, the beam spacing on the structure is large and extra bracing may be needed to support the formwork. Anchoring the formwork to the concrete beams is restricted and labor intensive. Because the structure has concrete beams, the type of equipment that can be used for removal is limited. Any debris and concrete slurry from saw cuts will need to be contained to keep it from entering the waterway. Furthermore, the construction schedule is shortened, and the project must be completed in two months, reducing the time the contractor must perform the work. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of labor intensive work and an expedited schedule. This project received five bids ranging from \$739,275.89 to \$1,542,316.61, which varied by 108.63 percent. The two lowest bids varied by 8.67 percent. We believe that rejecting this bid and re-letting

this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Bay Region Office request that this project be awarded to the low bidder, based on the above conclusion.

9. Letting of November 5, 2021

Letting Call: 2111 028

Project: ST 11072-209726

Local Agreement:

Start Date: June 1, 2022

Completion Date: October 30, 2022

Low Bid: **\$918,211.65**

Engineer Estimate: \$797,399.75

Pct Over/Under Estimate: 15.15 %

Bridge reconstruction includes superstructure replacement, substructure repairs, riprap, guardrail and approach work on M-140 over Paw Paw Lake Outlet, Berrien County.

4.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Hardman Construction, Inc.	\$ 918,211.65	Same	1 **
J. E. Kloote Contracting, Inc.	\$ 934,139.13	Same	2
Milbocker and Sons, Inc.	\$ 942,799.57	Same	3
Grand River Construction, Inc.	\$ 963,450.66	Same	4
Anlaan Corporation	\$1,017,890.80	Same	5
C. A. Hull Co., Inc.	\$1,304,970.14	Same	6

Total Number of Bidders: 6

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be bid higher than the engineer's estimate are structure, rehab, remove portions and superstructure concrete, form, finish, and cure. This project is adjacent to an airport with height and time restrictions, limiting the type of equipment the contractor can use to complete the work. Equipment over 50-feet in height can only be used for a maximum of three days during construction. These limitations create challenges and are time consuming for the contractor to complete the work for structure removal and superstructure concrete placement, causing the bid prices for these items to be higher than estimated. The estimator considered several factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate due to an airport in proximity to the construction site and restrictions imposed on the height and time equipment can be used. This project received six bids ranging from \$918,211.65 to \$1,304,970.14, which varied by 42.12 percent. However, the four lowest bids varied by only 4.93 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Southwest Region Office request that this project be awarded to the low bidder, based on the above conclusion.

10. Letting of November 5, 2021
Letting Call: 2111 038
Project: M 19022-204059, ETC
Local Agreement:
Start Date: April 18, 2022
Completion Date: October 27, 2023

Low Bid: **\$9,624,343.95**
Engineer Estimate: \$7,874,935.88
Pct Over/Under Estimate: 22.21 %

9.65 mi of concrete pavement repairs, hot mix asphalt cold milling and resurfacing of shoulders, median cable barrier installation and pavement markings on I-96 from Ionia/Clinton County line to I-69, Clinton County.

2.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Cipparrone Contracting, Inc.	\$ 9,624,343.95	Same	1 **
Michigan Paving and Materials Company	\$ 9,770,374.82	Same	2
C & D Hughes, Inc.	\$10,214,104.03	Same	3
Kamminga & Roodvoets, Inc.	\$11,567,558.92	Same	4

Total Number of Bidders: 4

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were high tension cable barrier and high-tension cable barrier terminals. These items were bid higher than expected due to being a sole source item and the maintaining traffic restrictions. The cable barrier items were specified as sole source to use the same cable barrier system that is used in other areas within the same service area. Additionally, there are limits on the hours the contractor may perform work through the corridor on weekdays due to traffic. Shorter working hours may require smaller segments and project staging, increasing the cost. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of single source pay items and maintaining traffic restrictions. This project received four bids ranging from \$9,624,343.95 and \$11,567,558.92, which varied by 20.19 percent. The two lowest bids varied by just 1.52 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the University Region Office request that this project be awarded to the low bidder, based on the above conclusion.

11. Letting of November 5, 2021
Letting Call: 2111 047
Project: IM 25131-211555-2
Local Agreement:
Start Date: 10 days after award
Completion Date: October 15, 2022

Low Bid: **\$6,728,128.80**
Engineer Estimate: \$5,723,228.15
Pct Over/Under Estimate: 17.56 %

4.16 mi of hot mix asphalt cold milling and resurfacing, joint repairs, shoulder corrugations, spillway work and pavement markings on I-75 from the Oakland County line northerly to M-54, Genesee County. This project contains a 3-year materials and workmanship pavement warranty.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked
Ace-Saginaw Paving Company	\$6,728,128.80	Same 1 **
Cadillac Asphalt, L.L.C.	\$6,783,142.33	Same 2
Ajax Paving Industries, Inc.	\$6,845,612.63	Same 3

Total Number of Bidders: 3

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were project cleanup, pavement cleaning, lighting for night work and minor traffic devices. These items were bid higher than expected due to maintaining traffic restrictions. This project includes nightly double lane closures in each direction on I-75. A significant amount of time will be spent setting up and removing traffic control items. In addition, cleaning of the pavement prior to lane opening must be completed each morning and weekend, increasing the cost of these items. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of maintaining traffic restrictions. This project received three bids between \$6,728,128.80 and \$6,845,612.63, which varied by 1.75 percent. The two lowest bids varied by just 0.82 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Bay Region Office request that this project be awarded to the low bidder based on the above conclusion.

12. Letting of November 5, 2021
Letting Call: 2111 051
Project: ST 17051-210949
Local Agreement:
Start Date: 10 days after award
Completion Date: September 2, 2022

Low Bid: **\$620,498.60**
Engineer Estimate: \$454,458.63
Pct Over/Under Estimate: 36.54 %

2.48 mi of overband crack fill with double chip seal and micro-surfacing, concrete sidewalk ramp improvements, drainage structure repair, guardrail adjustment and pavement markings on M-221 from M-28 to Lakeshore Drive in the city of Brimley, Chippewa County. This project includes two 2-year pavement performance warranties.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked
Highway Maintenance and Construction Company	\$620,498.60	Same 1 **
Fahrner Asphalt Sealers, L.L.C.	\$719,791.33	Same 2

Total Number of Bidders: 2

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were shoulder; micro-surface warranty; double chip seal; overband crack fill; minor traffic devices;

curb ramp items and drainage structure repair items. This project includes two fix types and staged construction for the installation of the curb ramps. Also, the project is relatively short in length and will require many different types of heavy equipment to perform small quantities of multiple types of work, all of which led to an increase in costs for the major items of work. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of small quantities and multiple work types. This project received two bids of \$620,498.60 and \$719,791.33, which varied by 16 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable based on the factors discussed.

The Bureau of Development and the Superior Region Office request that this project be awarded to the low bidder, based on the above conclusion.

LOCAL AGENCY CONTRACTS

13. Letting of November 5, 2021
Letting Call: 2111 040
Project: HSIP 41000-210439
Local Agreement: 21-5358
Start Date: June 15, 2022
Completion Date: May 30, 2023

Low Bid: **\$914,967.50**
Engineer Estimate: \$955,115.14
Pct Over/Under Estimate: -4.20 %

0.55 mi of signal upgrades, concrete curb, gutter and sidewalk ramps, storm sewer, hemispherical video detection, Opticom GPS system, signing and pavement markings on Eastern Avenue SE from 36th Street to Ken-O-Sha Drive and from Alger Street to Wealthy Street and Kalamazoo Avenue at Hall Street in the city of Grand Rapids, Kent County. This is a Local Agency project.

4.00 % DBE participation required

Bidder	As-Submitted	As-Checked
Strain Electric Company	\$914,967.50	Same 1 **

Total Number of Bidders: 1

14. Letting of November 5, 2021
Letting Call: 2111 058
Project: HIPL 52000-208099
Local Agreement: 21-5349
Start Date: June 1, 2022
Completion Date: October 3, 2022

Low Bid: **\$873,730.40**
Engineer Estimate: \$602,888.63
Pct Over/Under Estimate: 44.92 %

Structure reconstruction includes a precast concrete three sided culvert and approach work on Loma Farms Road (County Road KE) over Big Garlic River, Marquette County. This is a Local Agency project.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked
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A. Lindberg & Sons, Inc.	\$ 873,730.40	Same	1 **
WR Construction LLC	\$ 898,903.80	Same	2
Hebert Construction Co.	\$1,034,456.14	Same	3

Total Number of Bidders: 3

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be bid higher than the engineer's estimate are culvert, precast three-sided or arch; cofferdams; prebore, foundation piling; and pile, steel, furnished and driven. This project, located in a remote area of Marquette County, is near Saux Head Point on the coast of Lake Superior. There is limited accessibility to the site, with no alternate routes, and traffic must be maintained. Restricted workspace to store materials, equipment and completion of the culvert work, cofferdams, and piling will make construction difficult, labor intensive, and time consuming, increasing the bid prices for these items. The local agency estimator considered several factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate due to difficult accessibility to the project location, and restricted workspace to complete the work while maintaining traffic. The project received three bids ranging from \$873,730.40 to \$1,034,456.14 which varied by 18.40 percent. However, the two lowest bids varied by only 2.88 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Marquette County Road Commission request that this project be awarded to the low bidder, based on the above conclusion.

15. Letting of November 5, 2021
 Letting Call: 2111 060
 Project: HSIP 82000-210483
 Local Agreement: 21-5393
 Start Date: 10 days after award
 Completion Date: June 30, 2023

Low Bid: **\$2,118,106.64**
 Engineer Estimate: \$2,018,952.55
 Pct Over/Under Estimate: 4.91 %

16.64 mi of centerline corrugations, concrete sidewalks and ramps, signal improvements and pavement markings on various routes in the city of Detroit, Wayne County. This is a Local Agency project.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
P.K. Contracting, LLC	\$2,118,106.64	Same	1 **

Total Number of Bidders: 1

Respectfully submitted,

Paul C. Ajegba, P.E.
 Director

INFORMATION FOR MICHIGAN STATE

TRANSPORTATION COMMISSION

November 24, 2021

The following project information is being provided for informational purposes, as requested by the State Transportation Commission

TRUNKLINE CONTRACT

1. Letting of November 5, 2021
 Letting Call: 2111 032
 Project: HSIP 28051-213345
 Local Agreement:
 Start Date: April 11, 2022
 Completion Date: June 24, 2022

Low Bid: **\$239,649.35**
 Engineer Estimate: \$248,832.94
 Pct Over/Under Estimate: -3.69 %

5.98 mi of application of durable pavement markings on M-37 at US-31, Grand Traverse County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
P.K. Contracting, LLC	\$239,649.35	Same	1 **

Total Number of Bidders: 1

These project(s), for which the bid is under Five Hundred Thousand Dollars (\$500,000) and has less than two (2) bidders or is a low bid rejection or have other bid issues, are being submitted for informational purposes. The contract(s) for these project(s) will, at the Director's discretion, be processed and awarded to the low bidder. I approve the project(s) described in this agenda and authorize the award by the responsible management staff of MDOT.

Respectfully submitted,

Paul C. Ajegba P.E.
 Director